

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-124008

(43)Date of publication of application : 28.04.2000

---

(51)Int.Cl. H01C 7/04  
H01C 1/14  
H01C 7/00  
H01C 13/02  
H01C 17/06

---

(21)Application number : 10-299631 (71)Applicant : TDK CORP

(22)Date of filing : 21.10.1998 (72)Inventor : YAMADA YOSHIKI

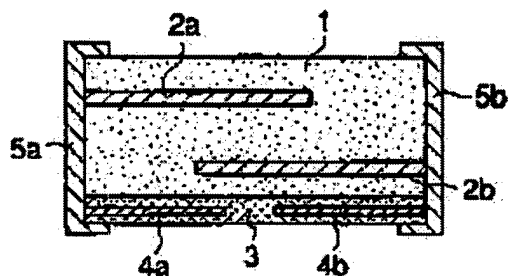
---

## (54) COMPOSITE CHIP THERMISTOR ELECTRONIC COMPONENT AND ITS MANUFACTURE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a composite chip thermistor electronic component the temperature characteristic of the resistance of which can be set easily, and which can be manufactured inexpensively.

SOLUTION: This composite chip thermistor electronic part which is composed of a negative temperature coefficient elemental thermistor body 1, in- thermistor electrodes 2a and 2b, a resistor 3, in-resistor electrodes 4a and 4b, external electrodes 5a and 5b, etc., are manufactured in such a way that the green sheets of the materials for the elemental thermistor body 1 and resistor 3 are formed, and after the materials for the electrodes 2a and 2b and 4a and 4b are respectively printed on the green sheets and the green sheets are laminated upon another, a baked body in which the elemental thermistor body 1 and resistor 3 are united in one body is obtained



by baking the laminated body, and the external electrodes are provided on both side faces of the baked body facing each other. Therefore, composite chip thermistor electronic components the temperature characteristic of the resistance of which can be set with a high degree of latitude can be provided inexpensively with high productivity.

BEST AVAILABLE COPY

---

## LEGAL STATUS

[Date of request for examination] 24.07.2001

[Date of sending the examiner's decision of rejection] 13.04.2004

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office